

**WHAT IS CLAIMED IS:**

1. A secure/non-secure bypass switch, comprising:

a first port for receiving input signals;

5 a first relay having an input, a first output and a second output, said input connected to said first port, and said second output connected to a second port;

a first fiber optic modem having an input and an output, said input connected to said first output of said first relay;

10 a second fiber optic modem having an input and an output, said input connected to said output of said first fiber optic modem; and

a second relay having an output, a first input and a second input, said first input connected to said output of said second fiber optic modem, said second input connected to a third port, and said output connected to a fourth port.

15 2. The switch of Claim 1, wherein the switch operates in a secure mode when no power is supplied to the switch, and the switch operates in a non-secure mode when power is supplied to the switch.

20 3. The switch of Claim 2, wherein if the switch is operating in a non-secure mode, the input of the first relay is connected to the first output of the first relay, and the first input of the second relay is connected to the output of the second relay.

25 4. The switch of Claim 2, wherein if the switch is operating in a secure mode, the input of the first relay is connected to the second output of the first relay, and the second input of the second relay is connected to the output of the second relay.

5. The switch of Claim 4, having an encryption device connected between port 2 and port 3, and operable during secure mode operation.

30 6. The switch of Claim 2, wherein power is supplied to the first and second fiber optic modems only during non-secure mode operation.

7. The switch of Claim 2, further comprising means for disconnecting power to the first and second fiber optic modems in the secure mode.

5           8. A method of secure/non-secure switching in a secure/non-secure bypass switch, comprising the steps of:  
            receiving signals to be routed;  
            determining if a secure or a non-secure operating mode is selected;  
            if a non-secure mode is selected, configuring relays to route the signals through at least  
10   two fiber optic modems to an output port; and  
            if a secure mode is selected, configuring relays to route the signals through an encryption device to said output port.

            9. The method of Claim 8, wherein if no power is supplied to the bypass switch the  
15   secure mode is selected.

            10. The method of Claim 9, further comprising the step of disconnecting power to the fiber optic modems in the secure mode.

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